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TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Application No.	09/886,459
		Filing Date	June 20, 2001
		First Named Inventor	Kenneth Hines
		Art Unit	2122
		Examiner Name	Kuo Liang J. Tang
Total Number of Pages in This Submission		Attorney Docket Number	42390P18904

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input checked="" type="checkbox"/> PTO/SB/08 <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Basic Filing Fee <input type="checkbox"/> Declaration/POA <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">Copies of 24 Cited refs. Check in the amount of \$180.00 Return postcard</div>
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Paul A. Mendonsa, Reg. No. 42,879 BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
Signature	
Date	October 8, 2004

CERTIFICATE OF MAILING/TRANSMISSION			
I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.			
Typed or printed name	Kristin A. Morrow		
Signature		Date	October 8, 2004



FEE TRANSMITTAL for FY 2004

Effective 01/01/2004. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$) 180.00

Complete if Known

Application Number 09/886,459
Filing Date June 20, 2001
First Named Inventor Kenneth Hines
Examiner Name Kuo Liang J. Tang
Art Unit 2122
Attorney Docket No. 42390P18904

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None
☐ Deposit Account

Deposit
Account
Number

02-2666

Deposit
Account
Name

Blakely, Sokoloff, Taylor & Zafman LLP

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments
☒ Charge any additional fee(s) or underpayment of fees as required under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	790	2001	395	Utility filing fee	
1002	350	2002	175	Design filing fee	
1003	550	2003	275	Plant filing fee	
1004	790	2004	395	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(\$)

2. EXTRA CLAIM FEES

Total Claims . 20* = X =
Independent Claims . 3 = X =
Multiple Dependent =

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	88	2201	44	Independent claims in excess of 3	
1203	300	2203	150	Multiple Dependent claim, if not paid	
1204	88	2204	44	**Reissue independent claims over original patent	
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					(\$)

*or number previously paid, if greater, For Reissues, see below

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
2053	130	2053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920 *	1804	920 *	Requesting publication of SIR prior to Examiner action	
1805	1,840 *	1805	1,840 *	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	430	2252	215	Extension for reply within second month	
1253	980	2253	490	Extension for reply within third month	
1254	1,530	2254	765	Extension for reply within fourth month	
1255	2,080	2255	1,040	Extension for reply within fifth month	
1404	340	2401	170	Notice of Appeal	
1402	340	2402	170	Filing a brief in support of an appeal	
1403	300	2403	150	Request for oral hearing	
1451	1,510	2451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,370	2453	685	Petition to revive - unintentional	
1501	1,370	2501	685	Utility issue fee (or reissue)	
1502	490	2502	245	Design issue fee	
1503	660	2503	330	Plant issue fee	
1460	130	2460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	180.00
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	790	1809	395	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	790	2810	395	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	790	2801	395	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
Other fee (specify) _____					
SUBTOTAL (3)					(\$) 180.00

* Reduced by Basic Filing Fee Paid

SUBMITTED BY

Name (Print/Type)

Paul A. Mendonsa

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(Attorney/Agent)

42,879

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Signature

Paul A. Mendonsa

Date

10/08/04



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

KENNETH HINES

Application No.: 09/886,459

Filed: June 20, 2001

For: **Data Structure and Method for Detecting
Constraint Conflicts in
Coordination-Contric Software Systems**

Art Group: 2122

Examiner: Kuo Liang J. Tang

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In accordance with the duty of disclosure, enclosed is a copy of IDS Citation Form PTO/SB/08 or PTO-1449, together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed for applications filed after June 30, 2003). This IDS and IDS Citation Form are being submitted before the mailing of a final Office Action. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

10/14/2004 CCHAU1 00000175 09886459

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180.00 OP

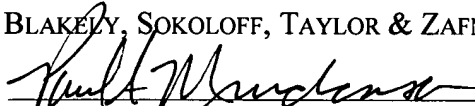
The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

The fee set in the amount of \$180.00 for submission of the Information Disclosure Statement is enclosed herewith. Please charge any additional fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

Respectfully submitted,

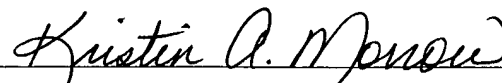
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Date: October 08, 2004


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10-08-04

Date

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Complete if Known

Application Number	09/886,459
Filing Date	June 20, 2001
First Named Inventor	HINES, Kenneth
Group Art Unit	2122
Examiner Name	TANG, Kuo Liang

Sheet 1 of 2

Attorney Docket No: 42P18904

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ²
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OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		"COBRA Overview", (July 1995),2-1 and 18-5	
		BAECKER, R , et al., "Software visualization for debugging", <u>CACM Vol. 40, No. 4, (April 1997),44-54</u>	
		BATES, P.C. , "Debugging programs in a distributed system environment", <u>Ph.D. Thesis, University of Massachusetts, Amherst, (1986),</u>	
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		BRUEGGE, B , "A portable platform for distributed event environments", <u>ACM/ONR Workshop on Parallel & Distributed Debugging, (1991),184-193</u>	
		CHOU, PAI , et al., "Control generation for embedded systems based on composition of modal processes", 410-415	
		EDWARDS, STEPHEN , et al., "Design of embedded systems: Formal models, validation, and synthesis", <u>Proceedings of the IEEE, Vol. 85, No. 3, (03/01/1997),366-389</u>	
		FIDGE, C J., "Logical time in distributed computing systems", <u>IEEE Computer, 24(8), (1991),28-33</u>	
		HARTER, JR., P K., et al., "IDD An interactive distributed debugger", <u>Proc. of the 5th international conference on distributed computing systems, (1985),498-506</u>	
		HINES, K , et al., "Debugging distributed implementations of modal process systems", <u>Lecture Notes in Computer Science 1474, (1998),98-107</u>	
		HODGES, W , "POSITION PAPER", <u>DARPA WORKSHOP ON MODEL-BASED METHODS FOR EMBEDDED SOFTWARE CREATION, (1999),3 PAGES</u>	
		KHOUZAM, M , et al., "Single stepping in event-visualization tools", <u>In processing of the 1996 CAS conference, (1996),103-114</u>	
		KOEHNEMANN, H , et al., "Towards target-level testing and debugging tools for embedded software", <u>Conference Proceedings on Tri-ADA '93, (1993),288-298</u>	
		KUNDA, J , "Integrating event- and state-based approaches to the debugging of parallel programs", <u>Ph.D. thesis, University of Massachusetts, Amherst, (1996),</u>	
		KUNZ, T , "Abstract behavior of distributed executions with applications to visualization", <u>Ph.D. thesis, Technische Hochschule Darmstadt, Germany, (1994),</u>	

EXAMINER**DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Complete if Known

Application Number	09/886,459
Filing Date	June 20, 2001
First Named Inventor	HINES, Kenneth
Group Art Unit	2122
Examiner Name	TANG, Kuo Liang

Sheet 2 of 2

Attorney Docket No: 42P18904

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		MATTERN, F , "On the relativistic structure of logical time in distributed systems", <u>Parallel and distributed algorithmns</u> , (1989),	
		NETZER, RH B., et al., "Adaptive message logging for incremental program replay", <u>IEEE Parallel and distributed technology</u> , (1993),32-39	
		SHENDE, S , et al., "Event and state-based debugging in TAU: a prototype", <u>Symposium on parallel and distributed tools</u> , (1996),21-30	
		SIDE, R S., et al., "A debugger for distributed programs", <u>Software - Practice and Experience</u> , Vol. 24(5), (1994),507-525	
		TAYLOR, D J., "A prototype debugger for hermes", <u>Proceedings of the 1992 CAS conference</u> , (1992),313-326	
		TAYLOR, D J., "Event Displays for Debugging and Managing Distributed Systems", <u>International Workshop on Network and Systems Management</u> , (1995),	
		TSAI, JJ P., et al., "A noninvasive architecture to monitor real-time distributed systems", <u>IEEE Computer</u> , 23, (1990),11-23	
		VALOT, C , "Characterizing the acuracy of distributed timestamps", <u>ACM/ONR Workshop on Parallel & Distributed Debugging</u> , (1993),43-52	
		ZERNIK, D , et al., "Using visualization tools to understand concurrency", <u>IEEE Software</u> , 9(3), (1992),87-92	

EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional) ² Applicant is to place a check mark here if English language Translation is attached